5

10

15

ABSTRACT

optical materials with improved heat resistance, especially dopant-type GI POFs with improved heat resistance are provided. These optical materials each comprises at least one aromatic sulfide compound represented by the following formula (1):

$$A - \left(-S - B^{k} \right)_{n} \tag{1}$$

wherein

n stands for an integer of from 2 to 12,

k stands for an integer of from 1 to n,

A represents a substituted or unsubstituted, n-valent carbocyclic aromatic ring or heterocyclic aromatic ring, and

 B^1 to B^n each independently represent a substituted or unsubstituted, carbocyclic aromatic group or heterocyclic aromatic group.